



**SPECIALIST HIGH SKILLS MAJOR
(SHSM)
CONSTRUCTION
Quick Fact Sheet**



Centre your learning towards a career that matches your skills and interests while you earn your high school diploma! Students who successfully complete the SHSM program receive an Ontario Secondary School Diploma with an embossed red seal, an SHSM Record documenting his/her achievement, and a formal recognition on his/her Ontario Student Transcript. Speak with your guidance counsellor about SHSM and other benefits!

1. CREDITS AND PATHWAYS

CREDITS	Apprenticeship Training		College		University		Workplace	
	Gr 11	Gr 12	Gr 11	Gr 12	Gr 11	Gr 12	Gr 11	Gr 12
Major Credits <i>One credit may be substituted with a cooperative education credit (additional to the 2 required co-op credits)</i>	4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>		4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>		4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>		4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>	
Including a CLA in each credit	English	1	1	1	1	1	2 <i>one credit must be in grade 12</i>	
	Math	2 <i>one credit must be in grade 12</i>	2 <i>one credit must be in grade 12</i>	2 <i>one credit must be in grade 12</i>	2 <i>one credit must be in grade 12</i>	2 <i>one credit must be in grade 12</i>	1 <i>one credit must be in grade 12</i>	
Business Studies or Science * <i>Or OLC4O, GLS4O, MEL3E & MEL4E</i> In addition <i>*see List of Approved SHSM courses</i>	1		1		1		1	
Cooperative Education	2		2		2		2	
Total	10		10		10		10	

***including a CLA, May be substituted with 1 cooperative education credit (additional to the 2 required co-op credits)**

-Major credits may also include Mohawk Bridge/OYAP Dual Credits

The above credits must be selected from the following lists:

Grade 11 Major

- AVI3M College/University Visual Arts
- SPH3C/3U College/University Physics
- TCJ 3C College Construction
- TDJ 3M College/University Technological Design Tech
- TEJ3M College/University Computer Engineering Tech

- TMJ3C/3E College/Workplace Manufacturing
- TTJ3C College Transportation Technology
- TWJ3E Workplace Woodworking

Grade 12 Major

- AVI4M College/University Visual Arts
- SPH 4C/4U College/University Physics
- TCJ4C College Construction
- TDJ4M College/University Design Tech
- TEJ4M College/University Computer Engineering Tech

- TMJ 4C/4E College/Workplace Manufacturing
- TTJ4C College Transportation Technology
- TWJ4E Workplace Woodworking

Grade 11 English

ENG 3E	Workplace English
ENG 3C	College English
ENG 3U	University English

Grade 11 Math

MEL 3E	Workplace Math
MBF 3C	Foundations for College Mathematics
MCF 3M	Functions & Applications
MCR 3U	Functions

Grade 11 Business Studies or Science

BAF3M	College/University Accounting
BDI3C	College Entrepreneurship
BMI3C	College Marketing
ICS3C/U	College/University Computer Science
SBI 3C/3U	College/University Biology
SCH 3U	University Chemistry
SPH 3U	University Physics
SVN 3E	Workplace Environmental Science

Grade 12 English

ENG4E	Workplace English
ENG4C	College English
ENG4U	University English
OLC4O	Literacy Course

Grade 12 Math

MEL 4E	Workplace Math
MCT 4C	Math for College Technology
MAP 4C	Foundations for College Math
MHF 4U	Advanced Functions
MCV 4U	Calculus & Vectors
MDM4U	Data Management

Grade 12 Business Studies or Science

BBB4M	College/University International Business
BDV3C	College Entrepreneurship
ICS4C/4U	College/University Computer Sci
SBI4U	University Biology
SNC4E	Workplace Science
SCH 4C/4U	College/University Chemistry
SPH 4C/4U	College/University Physics

Cooperative Education (2 Credits)

2 credits in Construction Focused coop

Seven Sector-Recognized Certifications and/or Training Courses/Programs

Five (5) compulsory				
Cardiopulmonary Resuscitation (CPR) Level C – includes automated external defibrillation (AED)	health and safety – basic	Standard First Aid	Working at Heights	Workplace Hazardous Materials Information System (WHMIS) – generic (i.e., not site-specific) instruction
Two (2) electives from the list below				
basic electrical safety	Canadian Welding Bureau (CWB) – flat	chainsaw safety	computer-aided design and computer-aided manufacturing (CAD/CAM)	
confined space awareness	customer service	elevated work platforms	energy efficiency training (e.g., Energy Star, LEED)	
fall protection	fire safety and fire extinguisher use	hoisting and rigging	Innovation, Creativity and Entrepreneurship (ICE)	
insulated concrete forming	land surveying basics	leadership skills	lockout/tagging	
ozone-depletion prevention	portfolio development	powder-actuated tools	project management	
propane in construction	scaffold safety	sector-specific vehicle operation and safety	specialized skills training program/competition (e.g., Skills Canada provincial level, WoodLINKS)	
suspended access equipment	traffic control	trenching safety		